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Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

1

of

12

Complete if Known	
Application Number	09/981,320-Conf. #4975
Filing Date	October 16, 2001
First Named Inventor	Kenneth H. Abbott
Art Unit	2173
Examiner Name	N. Pillai

Attorney Docket Number M1103.70778US00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A1*	US-7,647,400	01-12-2010	Abbott et al.		
A2*	US-7,614,001	11-03-2009	Abbott et al.		
A3*	US-7,571,218	08-04-2009	Tanaka et al.		
A4*	US-7,561,200	07-14-2009	Garvey, III et al.		
A5*	US-7,533,082	05-12-2009	Abbott et al.		
A6*	US-7,533,052	05-12-2009	Tifford et al.		
A7*	US-7,512,889	03-31-2009	Newell et al.		
A8*	US-7,395,221	07-01-2008	Doss et al.		
A9*	US-7,392,486	06-24-2008	Gyde et al.		
A10*	US-7,386,477	06-10-2008	Fano		
A11*	US-7,360,152	04-15-2008	Capps et al.		
A12*	US-7,349,894	03-25-2008	Barth et al.		
A13*	US-7,260,453	08-21-2007	Poier et al.		
A14*	US-7,162,473	01-09-2007	Dumais et al.		
A15*	US-7,155,456	12-26-2006	Abbott, III et al.		
A16*	US-7,137,069	11-14-2006	Abbott et al.		
A17*	US-7,124,125	10-17-2006	Cook et al.		
A18*	US-7,110,764	09-19-2006	Blair et al.		
A19*	US-7,107,539	09-12-2006	Abbott et al.		

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B1	EP-0759591-A1	02-26-1997	Ibm		
B2	EP-0846440-A2	06-10-1998	Sarcos Inc		
B3	EP-0924615-A2	06-23-1999	Sun Microsystems Inc		
B4	WO-0036493-A1	06-22-2000	Tangis Corp et al.		
B5	WO-9800787-A1	01-08-1998	Datalink Systems Corp		

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Substitute for form 1449/PTO			Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number
(Use as many sheets as necessary)			09/981,320-Conf. #4975
Sheet	2	of	12
			Attorney Docket Number
			M1103.70778US00

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
A20*	A20*	US-7,089,497	08-08-2006	Abbott et al.	
A21*	A21*	US-7,080,322	07-18-2006	Abbott et al.	
A22*	A22*	US-7,076,737	07-11-2006	Abbott et al.	
A23*	A23*	US-7,062,715	06-13-2006	Abbott et al.	
A24*	A24*	US-7,058,893	06-06-2006	Abbott et al.	
A25*	A25*	US-7,055,101	05-30-2006	Abbott et al.	
A26*	A26*	US-7,010,603	03-07-2006	Martin, Jr. et al.	
A27*	A27*	US-7,000,187	02-14-2006	Messinger et al.	
A28*	A28*	US-6,968,333	11-22-2005	Abbott et al.	
A29*	A29*	US-6,834,208	12-21-2004	Gonzales et al.	
A30*	A30*	US-6,834,195	12-21-2004	Brandenberg et al.	
A31*	A31*	US-6,829,639	12-07-2004	Lawson et al.	
A32*	A32*	US-6,795,806	09-21-2004	Lewis et al.	
A33*	A33*	US-6,712,615	03-30-2004	Martin	
A34*	A34*	US-6,704,785	03-09-2004	Koo et al.	
A35*	A35*	US-6,704,722	03-09-2004	Wang Baldonado	
A36*	A36*	US-6,625,135	09-23-2003	Johnson et al.	
A37*	A37*	US-6,553,336	04-22-2003	Johnson et al.	
A38*	A38*	US-6,546,425	04-08-2003	Hanson et al.	

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Examiner Signature _____ Date Considered _____

"EXAMINER: If initial reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant." CITE NO. Those application(s) which are marked with a single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.96(e)(2)(ii)) because that application was filed after June 30, 2013, or is available on the USPTO's Patent and Trademark Office (PTO) Public Access to Patent (PTO-2013) system at www.uspto.gov or MPEP 601.04. "Emperor" Office that issued the application. "Applicant" is the name of the inventor or assignee. "Serial" is the serial number of the patent document. "Kind" of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	12	Attorney Docket Number	M1103.70778US00
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A39*	US-6,529,723		03-04-2003	Bentley	
A40*	US-6,484,200		11-19-2002	Angal et al.	
A41*	US-6,460,036		10-01-2002	Herz	
A42*	US-6,446,109		09-03-2002	Gupta	
A43*	US-6,442,589		08-27-2002	Takahashi et al.	
A44*	US-6,438,618		08-20-2002	Lortz et al.	
A45*	US-6,421,700		07-16-2002	Holmes et al.	
A46*	US-6,401,085		06-04-2002	Gershman et al.	
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A48*	US-6,385,589		05-07-2002	Trusheim et al.	
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A50*	US-6,353,823		03-05-2002	Kumar	
A51*	US-6,321,279		11-20-2001	Bonola	
A52*	US-6,321,158		11-20-2001	DeLorme et al.	
A53*	US-6,317,718		11-13-2001	Fano	
A54*	US-6,285,889		09-04-2001	Nykanen et al.	
A55*	US-6,263,268		07-17-2001	Nathanson	
A56*	US-6,262,720		07-17-2001	Jeffrey et al.	
A57*	US-6,199,099		03-06-2001	Gershman et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear

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Sheet	4	of	12	Attorney Docket Number	M1103.70778US00
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U.S. PATENT DOCUMENTS

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A58*	US-6,198,394		03-06-2001	Jacobsen et al.	
A59*	US-6,155,960		12-05-2000	Roberts et al.	
A60*	US-6,131,067		10-10-2000	Girent et al.	
A61*	US-6,122,348		09-19-2000	French-St. George et al.	
A62*	US-6,112,246		08-29-2000	Horbal et al.	
A63*	US-6,105,063		08-15-2000	Hayes, Jr.	
A64*	US-6,092,101		07-18-2000	Birrell et al.	
A65*	US-6,085,086		07-04-2000	La Porta et al.	
A66*	US-6,047,327		04-04-2000	Tso et al.	
A67*	US-6,044,415		03-28-2000	Futral et al.	
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A69*	US-6,003,082		12-14-1999	Gampper et al.	
A70*	US-5,999,943		12-07-1999	Nori et al.	
A71*	US-5,999,932		12-07-1999	Paul	
A72*	US-5,980,096		11-09-1999	Thalhammer-Reyero	
A73*	US-5,966,710		10-12-1999	Burrows	
A74*	US-5,945,988		08-31-1999	Williams et al.	
A75*	US-5,942,986		08-24-1999	Shabot et al.	
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Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	09/981,320-Conf. #4975
				Filing Date	October 16, 2001
				First Named Inventor	Kenneth H. Abbott
				Art Unit	2173
				Examiner Name	N. Pillai
Sheet	5	of	12	Attorney Docket Number	M1103.70778US00

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A77*	US-5,826,253	10-20-1998	Bredenberg		
A78*	US-5,796,952	08-18-1998	Davis et al.		
A79*	US-5,787,279	07-28-1998	Rigoutsos		
A80*	US-5,787,234	07-28-1998	Molloy		
A81*	US-5,752,019	05-12-1998	Rigoutsos et al.		
A82*	US-5,745,110	04-28-1998	Ertensalp		
A83*	US-5,701,894	12-30-1997	Cherry et al.		
A84*	US-5,659,746	08-19-1997	Bankert et al.		
A85*	US-5,592,664	01-07-1997	Starkey		
A86*	US-5,572,401	11-05-1996	Carroll		
A87*	US-5,522,026	05-28-1996	Records et al.		
A88*	US-5,513,646	05-07-1996	Lehrman et al.		
A89*	US-5,481,667	01-02-1996	Bieneck et al.		
A90*	US-5,454,074	09-26-1995	Hartel et al.		
A91*	US-5,398,021	03-14-1995	Moore		
A92*	US-5,339,395	08-16-1994	Pickett et al.		
A93*	US-5,267,147	11-30-1993	Harshaw et al.		
A94*	US-5,237,684	08-17-1993	Record et al.		
A95*	US-5,133,075	07-21-1992	Risch		

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet	6	of	12	Attorney Docket Number	M1103.70778US00
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A96*	US-4,991,087	02-05-1991	Burkowski et al.		
A97*	US-4,970,683	11-13-1990	Harshaw et al.		
A98*	US-4,815,030	03-21-1989	Cross et al.		
A99*	US-2009-0228552	09-10-2009	Abbott et al.		
A100*	US-2009-0150535	06-11-2009	Abbott et al.		
A101*	US-2009-0094524	04-09-2009	Abbott et al.		
A102*	US-2009-0055752	02-26-2009	Abbott et al.		
A103*	US-2009-0013052	01-08-2009	Robarts et al.		
A104*	US-2008-0313271	12-18-2008	Abbott et al.		
A105*	US-2008-0147775	06-19-2008	Abbott et al.		
A106*	US-2007-0266318	11-15-2007	Abbott et al.		
A107*	US-2007-0168502	07-19-2007	Abbott et al.		
A108*	US-2007-0130524	06-07-2007	Abbott et al.		
A109*	US-2007-0089067	04-19-2007	Abbott et al.		
A110*	US-2007-0043459	02-22-2007	Abbott et al.		
A111*	US-2007-0022384	01-25-2007	Abbott et al.		
A112*	US-2006-0136393	06-22-2006	Abbott et al.		
A113*	US-2006-004680	01-05-2006	Robarts et al.		
A114*	US-2005-0086243	04-21-2005	Abbott et al.		

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Sheet	7	of	12	Attorney Docket Number	M1103.70778US00
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A115*	US-2005-0066282	03-24-2005	Abbott et al.		
A116*	US-2005-0034078	02-10-2005	Abbott et al.		
A117*	US-2003-0229900	12-11-2003	Reisman		
A118*	US-2003-0046401	03-06-2003	Abbott et al.		
A119*	US-2002-0191034	12-19-2002	Sowizral et al.		
A120*	US-2002-0099817	07-25-2002	Abbott et al.		
A121*	US-2002-0087525	07-04-2002	Abbott et al.		
A122*	US-2002-0083158	06-27-2002	Abbott et al.		
A123*	US-2002-0080156	06-27-2002	Abbott et al.		
A124*	US-2002-0080155	06-27-2002	Abbott et al.		
A125*	US-2002-0078204	06-20-2002	Newell et al.		
A126*	US-2002-0054174	05-09-2002	Abbott et al.		
A127*	US-2002-0054130	05-09-2002	Abbott et al.		
A128*	US-2002-0052963	05-02-2002	Abbott et al.		
A129*	US-2002-0052930	05-02-2002	Abbott et al.		
A130*	US-2002-0044152	04-18-2002	Abbott et al.		
A131*	US-2001-0043232	11-22-2001	Abbott et al.		
A132*	US-2001-0043231	11-22-2001	Abbott et al.		
A133*	US-2001-0040591	11-15-2001	Abbott et al.		

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Sheet	8	of	12	Attorney Docket Number	M1103.70778US00

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C1	[No Author Listed] "Workshop on Wearable Computing Systems," August 19-21, 1996.		
	C2	Bates et al., Middleware Support for Mobile Multimedia Applications, ICL System Journal, November 1997, 20 pages.		
	C3	Billinghurst, et al., An Evaluation of Wearable Information Spaces, Proceedings of the Virtual Reality Annual International Symposium, 1998, 8 pages.		
	C4	Billinghurst. Research Directions in Wearable Computing, University of Washington, May, 1998, 48 pages.		
	C5	Chen, et al., A Survey of Context-Aware Mobile Computing Research, Dartmouth Computer Science Technical Report, 2000, 16 pages.		
	C6	Cochran, "The Development of Wearable Clothing," Dr. Dobb's, online edition, pp. 1-2.		
	C7	Cugola et al., Exploiting an Event-Based Infrastructure to Develop Complex Distributed Systems, 20th International Conference on Software Engineering (ICSE'98) April 1998, p. 261-70, 10 pages.		
	C8	Dechamboux et al., Using a Distributed Shared Memory for Implementing Efficient Information Mediators, Proceedings of the International Conference and Exhibition on High-Performance Computing and Networking, April 1996, 5 pages.		
	C9	Dey et al., CyberDesk: A Framework for Providing Self-Integrating Context-Aware Services, Knowledge-Based Systems, 11:3-13, 1998, 10 pages.		
	C10	European Office Action dated February 13, 2009 for EP Application No 01964695.9, 4 pages.		

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				Application Number	09/981,320-Conf. #4975
				Filing Date	October 16, 2001
				First Named Inventor	Kenneth H. Abbott
				Art Unit	2173
				Examiner Name	N. Pillai
Sheet	10	of	12	Attorney Docket Number	M1103.70778US00

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
C11	Goharian et al., Enterprise Text Processing: A Sparse Matrix Approach, 2001, IEEE, pp. 71-75.				T ²
C12	Horvitz et al., "Attention-Sensitive Alerting in Computing Systems, Microsoft Research, August 1999.				
C13	Horvitz et al., "In Pursuit of Effective Handsfree Decision Support: Coupling Bayesian Inference, Speech Understanding, and Understanding, and User Models, 1995, 8 pages.				
C14	International Search Report dated September 29, 2003 for PCT Application Serial No. 00/20685, 3 pages.				
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C18	Joachims, T., Text categorization with support vector machines: learning with many relevant features, Machine Learning, European Conference on Machine Learning, April 21, 1998 pp.137-142.				
C19	Losee, Jr., Minimizing Information Overload: the ranking of electronic messages, Journal of Information Science 15, Elsevier Science Publishers B.V. 1989, pp. 179-189.				
C20	OA dated January 2, 2009 for US Application Serial No. 11/559,854, 23 pages.				

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	C21	Ockerbloom, Mediating Among Diverse Data Formats: Thesis Summary, PhD Thesis, Technical Report CMU-CS-98-102, Department of Computer Sciences, Carnegie Mellon University, Pittsburgh, PA, January 14, 1998, 15 pages.		T ²
	C22	Pascoe, Adding Generic Contextual Capabilities to Wearable Computers, Proceedings of the 2nd International Symposium on Wearable Computers (ISWC '98), Pittsburgh, PA, October 19-20, 1998, 8 pages.		
	C23	Rhodes, Remembrance Agent: A continuously running automated information retrieval system, The Proceedings of The First International Conference on The Practical Application of Intelligent Agents and Multi Agent Technology, 1996, pp. 487-495.		
	C24	Rhodes, The Wearable Remembrance Agent: A System for Augmented Memory, Personal Technologies Journal Special Issue on Wearable Computing, 1997, 12 pages.		
	C25	Salber et al., The Design and Use of a Generic Context Server, Technical Report GIT-GVU-98-32, GVU Center, College of Computing, Georgia Institute of Technology, 1998. Available at ftp://ftp.cc.gatech.edu/pub/gvu/tr/1998/98-32.pdf . Last accessed 03/12/2010.		
	C26	Sawhney, Contextual awareness, messaging and communication in nomadic audio environments, Massachusetts Institute of Technology, June 1998 pp. 80-105, 25 pages.		
	C27	Schilit et al., Disseminating Active Map Information to Mobile Hosts, IEEE Network, 1994, pages 22-32, vol. 8-No. 5.		
	C28	Schilit et al., Context-Aware Computing Applications, In Proceedings of the Workshop on Mobile Computing Systems and Applications, December 1994, pp. 85-90.		
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	C31	Schilt,A System Architecture for Context-Aware Mobile Computer, Columbia University, 1995, 153 pages.				
	C32	Spreitzer et al., Architectural Considerations for Scalable, Secure, Mobile Computing with Location Information, In The 14th International Conference on Distributed Computing Systems, June 1994, pages 29-38.				
	C33	Spreitzer et al., Scalable, Secure, Mobile Computing with Location Information Communications of the ACM, July 1993, 1 page, Vol. 36-No. 7.				
	C34	Starmer, Wearable Computing and Contextual Awareness, Massachusetts Institute of Technology, June 1999, 248 pages.				
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	C36	Theimer et al., Operating System Issues for PDAs, In Fourt Workshop on Workstation Operating Systems, 1993, 7 pages.				
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	C39	Weiser, Some Computer Science Issues in Ubiquitous Computing, Communications of the ACM, July 1993, pp. 75-84, Vol. 36-No. 7.				
	C40	Weiser, The Computer for the 21st Century, Scientific American, September 1991, 8 pages.				

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